

# Trig Review Quiz 0 B

Simplify each expression or the radical in #1-7.

\_\_\_\_\_ 1.  $\sqrt{-40}$

\_\_\_\_\_ 2.  $(n - 10)^2$

\_\_\_\_\_ 3.  $(3n^5)^2$

\_\_\_\_\_ 4.  $(x + 2)(x - 3)(x + 1)$

\_\_\_\_\_ 5.  $(3n^3y)^2 + n(n^5)y^2$

\_\_\_\_\_ 6.  $\sqrt{-200a^5}$

\_\_\_\_\_ 7.  $\frac{9 \pm \sqrt{-18}}{3}$

\_\_\_\_\_ 8. Solve by factoring:  $x^2 + 21x - 22 = 0$

\_\_\_\_\_ 9. Solve  $(x - 1)(x - 3)(x - 7) = 0$

\_\_\_\_\_ 10. The \_\_\_\_\_ formula is  $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$ .